

## EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

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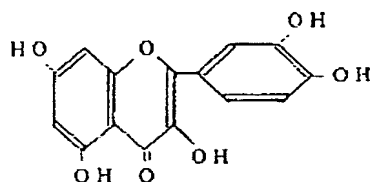
APPLICATION DATE : 07-09-82  
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APPLICANT : YAKULT HONSHA CO LTD;

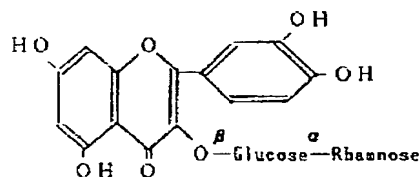
INVENTOR : KIMURA MASAYUKI;

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 C07D311/30 C07H 17/06

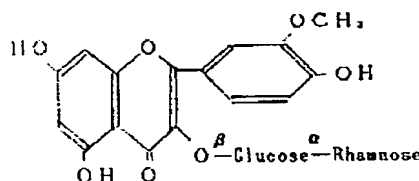
TITLE : ANTIBACTERIAL COMPOSITION



I



II



III

ABSTRACT : PURPOSE: To provide an antibacterial composition useful as a dermatic drug or cosmetic effective to the remedy of pimple, etc., by using quercetin as an active component and rutin and/or isorhamnetine-3-O-rutinoside as essential assistant components.

CONSTITUTION: The objective antibacterial composition contains quercetin of formula I, and rutin of formula II and/or isorhamnetine-3-O-rutinoside of formula III. The antibacterial activity of the composition is highest in a weakly acidic state of about 5.0~5.5pH, and the composition is suitable for the use as a remedy for pimple or beauty wash for pimpled skin, etc., and is expected to exhibit durable antibacterial activity against *Propionibacterium acnes*, etc. when applied to a weakly acidic human skin. The concentration of quercetin is preferably 0.2~0.6wt%, and the weight ratio of the other components (when both of the other components are used in combination, the sum of their weights) to quercetin is preferably about 1~10.

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